Item No:	12								
Item Name:	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-158,I No-21.7), issue rate dated 03-01-2020								
Measurement recorded on:									
SL NO	CHAINAGE Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY			REMARKS
	Quantity Vide Premeasurements Page No - 33					28522.53	13.50	385054.09	Sqm

Item No:	14								
Item Name:	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6), issue rate dated 03-01-2020								
Measurement recorded on:									
SL NO	CHAINAGE Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY			REMARKS
	Quantity Vide Premeasurements Page No - 34					701.70	6835.72	4796605.07	Sqm

Item No:	15								
Item Name:	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)(P.No-171,I No-21.78.12), issue rate dated 03-01-2020								
Measurement recorded on:									
SL NO	CHAINAGE Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY	REMARKS		REMARKS
	Chokkanahalli Layout								
	Chokkakkanahalli Layout Main Road								
	0.00 15.00	1	15.00	7.9+6.6/2	0.04	4.35			
	15.00 30.00	1	15.00	6.6+8.3/2	0.04	4.47			
	30.00 45.00	1	15.00	8.3+7.7/2	0.04	4.80			
	Deduction	-3	0.30	0.3+0.3/2	0.04	-0.01			
	45.00 60.00	1	15.00	7.7+7.7/2	0.04	4.62			
	Deduction	-2	0.30	0.3+0.3/2	0.04	-0.01			
	60.00 75.00	1	15.00	7.7+8.9/2	0.04	4.98			
	75.00 90.00	1	15.00	8.9+8/2	0.04	5.07			
	Deduction	-1	0.90	0.9+0.9/2	0.04	-0.03			
	90.00 105.00	1	15.00	8+8.1/2	0.04	4.83			
	Deduction	-1	0.90	0.9+0.9/2	0.04	-0.03			
	105.00 120.00	1	15.00	8.1+7.6/2	0.04	4.71			
	120.00 135.00	1	15.00	7.6+6.9/2	0.04	4.35			
	Deduction	-1	0.90	0.9+0.9/2	0.04	-0.03			
	135.00 150.00	1	15.00	6.9+7.4/2	0.04	4.29			

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150.00	165.00	1	15.00	7.4+7.6/2	0.04	4.50	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
165.00	180.00	1	15.00	7.6+8.3/2	0.04	4.77	
180.00	195.00	1	15.00	8.3+7.2/2	0.04	4.65	
195.00	210.00	1	15.00	7.2+8/2	0.04	4.56	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
210.00	225.00	1	15.00	8+6.8/2	0.04	4.44	
225.00	240.00	1	15.00	6.8+6.9/2	0.04	4.11	
Deduction		-1	1.80	0.9+0.9/2	0.04	-0.06	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
240.00	255.00	1	15.00	6.9+7.3/2	0.04	4.26	
255.00	270.00	1	15.00	7.3+7.2/2	0.04	4.35	
270.00	285.00	1	15.00	7.2+7.5/2	0.04	4.41	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
285.00	300.00	1	15.00	7.5+8/2	0.04	4.65	
Deduction		-2	0.90	0.9+0.9/2	0.04	-0.06	
300.00	315.00	1	15.00	8+7/2	0.04	4.50	
315.00	333.60	1	18.60	7+8.4/2	0.04	5.73	
333.60	348.60	1	15.00	7+6.6/2	0.04	4.08	
348.60	363.60	1	15.00	6.6+6.4/2	0.04	3.90	
363.60	378.60	1	15.00	6.4+6.4/2	0.04	3.84	Curious School
378.60	393.60	1	15.00	6.4+6.7/2	0.04	3.93	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
393.60	408.60	1	15.00	6.7+6.3/2	0.04	3.90	
408.60	423.60	1	15.00	6.3+6.6/2	0.04	3.87	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
423.60	438.60	1	15.00	6.6+7/2	0.04	4.08	
Deduction		-1	0.30	0.3+0.3/2	0.04	0.00	
Deduction		-1	1.00	1+1/2	0.04	-0.04	
438.60	453.60	1	15.00	7+7.1/2	0.04	4.23	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
453.60	468.60	1	15.00	7.1+7/2	0.04	4.23	
468.60	483.60	1	15.00	7+6.9/2	0.04	4.17	
483.60	498.60	1	15.00	6.9+7.5/2	0.04	4.32	
498.60	513.60	1	15.00	7.5+7.2/2	0.04	4.41	
513.60	528.60	1	15.00	7.2+6.7/2	0.04	4.17	
528.60	543.60	1	15.00	6.7+6.3/2	0.04	3.90	ISRI Appartment
543.60	558.60	1	15.00	6.3+6.2/2	0.04	3.75	
Deduction		-1	0.30	0.3+0.3/2	0.04	0.00	
558.60	573.60	1	15.00	6.2+6.3/2	0.04	3.75	
Deduction		-1	0.30	0.3+0.3/2	0.04	0.00	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
573.60	588.60	1	15.00	6.3+6.2/2	0.04	3.75	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
588.60	603.60	1	15.00	6.2+6/2	0.04	3.66	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	

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603.60	619.00	1	15.40	6+5.6/2	0.04	3.57
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03
Temple Side Road						
0.00	15.00	1	15.00	5+6.2/2	0.04	3.36
15.00	30.00	1	15.00	6.2+6.3/2	0.04	3.75
30.00	45.00	1	15.00	6.3+6.2/2	0.04	3.75
45.00	60.00	1	15.00	6.2+6.4/2	0.04	3.78
60.00	75.00	1	15.00	6.4+5.6/2	0.04	3.60
75.00	90.00	1	15.00	5.6+5.6/2	0.04	3.36
90.00	105.00	1	15.00	5.6+6/2	0.04	3.48
Deduction		-1	0.30	0.3+0.3/2	0.04	0.00
105.00	120.00	1	15.00	6+6/2	0.04	3.60
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03
120.00	135.00	1	15.00	6+6.7/2	0.04	3.81
Deduction		-1	0.30	0.3+0.3/2	0.04	0.00
135.00	147.60	1	12.60	6.7+9.1/2	0.04	3.98
Deduction		-2	0.90	0.9+0.9/2	0.04	-0.06
Cross Road-1						
0.00	15.00	1	15.00	4.8+4.6/2	0.04	2.82
15.00	30.00	1	15.00	4.6+4.2/2	0.04	2.64
30.00	35.70	1	5.70	4.2+4/2	0.04	0.93
Cross Road-2						
0.00	15.00	1	15.00	5.6+4.2/2	0.04	2.94
15.00	30.00	1	15.00	4.2+4.6/2	0.04	2.64
30.00	39.60	1	9.60	4.6+4.8/2	0.04	1.80
Cross Road-3 (dead end cross road)						
0.00	15.00	1	15.00	4.9+4.2/2	0.04	2.73
Deduction		-1	2.50	1+1/2	0.04	-0.10
15.00	21.20	1	6.20	4.2+4/2	0.04	1.02
Agrahara Layout Main Road						
0.00	15.00	1	15.00	10+7.3/2	0.04	5.19
Deduction		-1	1.20	0.6+0.6/2	0.04	-0.03
15.00	30.00	1	15.00	7.3+7/2	0.04	4.29
Deduction		-1	0.60	0.6+0.6/2	0.04	-0.01
30.00	45.00	1	15.00	7+6.8/2	0.04	4.14
Deduction		-1	0.60	0.5+0.5/2	0.04	-0.01
45.00	60.00	1	15.00	6.8+6.4/2	0.04	3.96
60.00	75.00	1	15.00	6.4+6.5/2	0.04	3.87
75.00	90.00	1	15.00	6.5+6.6/2	0.04	3.93
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03
90.00	105.00	1	15.00	6.6+7.1/2	0.04	4.11
105.00	120.00	1	15.00	7.1+7.45/2	0.04	4.37
120.00	135.00	1	15.00	7.45+7.25/2	0.04	4.41
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03
135.00	150.00	1	15.00	7.25+10/2	0.04	5.18
Deduction		-1	0.90	0.6+0.6/2	0.04	-0.02

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150.00	165.00	1	15.00	10+9/2	0.04	5.70	
Deduction		-2	0.90	0.9+0.9/2	0.04	-0.06	
165.00	180.00	1	15.00	9+8.7/2	0.04	5.31	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
180.00	195.00	1	15.00	8.7+7.9/2	0.04	4.98	
195.00	210.00	1	15.00	7.9+8.9/2	0.04	5.04	
Deduction		-1	2.20	1.8+1.8/2	0.04	-0.16	
210.00	225.00	1	15.00	8.9+6.6/2	0.04	4.65	
225.00	240.00	1	15.00	6.6+6.7/2	0.04	3.99	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
240.00	255.00	1	15.00	6.7+7/2	0.04	4.11	
255.00	270.00	1	15.00	7+7.3/2	0.04	4.29	
270.00	285.00	1	15.00	7.3+7.2/2	0.04	4.35	
285.00	300.00	1	15.00	7.2+6.7/2	0.04	4.17	
300.00	315.00	1	15.00	6.7+6.4/2	0.04	3.93	
315.00	330.00	1	15.00	6.4+7.2/2	0.04	4.08	Guru Akshitha Appmt
330.00	345.00	1	15.00	7.2+7.2/2	0.04	4.32	
345.00	360.00	1	15.00	7.2+7.8/2	0.04	4.50	
360.00	375.00	1	15.00	7.8+8.3/2	0.04	4.83	
375.00	390.00	1	15.00	8.3+8.6/2	0.04	5.07	
390.00	405.00	1	15.00	8.6+6.9/2	0.04	4.65	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
405.00	420.00	1	15.00	6.9+6.9/2	0.04	4.14	
420.00	435.00	1	15.00	6.9+7.6/2	0.04	4.35	Sun Shine Apptmt
435.00	450.00	1	15.00	7.6+6.9/2	0.04	4.35	
450.00	465.00	1	15.00	6.9+6.5/2	0.04	4.02	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
465.00	480.00	1	15.00	6.5+6.9/2	0.04	4.02	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
480.00	495.00	1	15.00	6.9+6.5/2	0.04	4.02	
495.00	510.00	1	15.00	6.5+6.8/2	0.04	3.99	Wisdom Montfort
510.00	525.00	1	15.00	6.8+6/2	0.04	3.84	
525.00	540.00	1	15.00	6+5.9/2	0.04	3.57	
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03	
540.00	555.00	1	15.00	5.9+6.2/2	0.04	3.63	
555.00	570.00	1	15.00	6.2+6.3/2	0.04	3.75	
570.00	585.00	1	15.00	6.3+6.4/2	0.04	3.81	
585.00	600.00	1	15.00	6.4+6.6/2	0.04	3.90	
600.00	618.00	1	18.00	6.6+6/2	0.04	4.54	
618.00	619.30	1	1.30	6+6/2		0.00	Culvert
619.30	630.00	1	10.70	6.1+6.3/2	0.04	2.65	
630.00	645.00	1	15.00	6.3+6.5/2	0.04	3.84	
645.00	660.00	1	15.00	6.5+6.4/2	0.04	3.87	
660.00	675.00	1	15.00	6.4+5.7/2	0.04	3.63	
675.00	690.00	1	15.00	6.3+5.8/2	0.04	3.63	

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690.00	705.00	1	15.00	5.8+6.2/2	0.04	3.60
705.00	720.00	1	15.00	6.2+6.3/2	0.04	3.75
720.00	735.00	1	15.00	5.7+6.5/2	0.04	3.66
735.00	748.00	1	13.00	6.5+6.6/2	0.04	3.41
DX Max Appartment Side Road						
0.00	15.00	1	15.00	4.2+4.2/2	0.04	2.52
15.00	26.50	1	11.50	4.2+4/2	0.04	1.89
Rajanna House Road from Thirumenahalli Road to Agrahara Layout Main Road						
0.00	15.00	1	15.00	7.8+6.8/2	0.04	4.38
15.00	30.00	1	15.00	6.8+6.6/2	0.04	4.02
30.00	45.00	1	15.00	6.6+6.5/2	0.04	3.93
Deduction		-1	0.90	0.9+0.9/2	0.04	-0.03
45.00	60.00	1	15.00	6.5+6.1/2	0.04	3.78
60.00	75.00	1	15.00	6.1+6/2	0.04	3.63
Deduction		-1	1.20	0.9+0.9/2	0.04	-0.04
75.00	90.00	1	15.00	6+6.1/2	0.04	3.63
90.00	105.00	1	15.00	6.1+6.2/2	0.04	3.69
Deduction		-1	0.40	0.4+0.4/2	0.04	-0.01
105.00	120.00	1	15.00	6.2+6.1/2	0.04	3.69
120.00	135.00	1	15.00	6.1+6.3/2	0.04	3.72
Deduction		-1	0.60	0.9+0.9/2	0.04	-0.02
135.00	150.00	1	15.00	6.3+6.3/2	0.04	3.78
150.00	165.00	1	15.00	6.3+5.7/2	0.04	3.60
165.00	180.00	1	15.00	5.7+6.1/2	0.04	3.54
Deduction		-1	0.60	0.9+0.9/2	0.04	-0.02
180.00	195.00	1	15.00	6.1+5.4/2	0.04	3.45
195.00	210.00	1	15.00	5.4+5.7/2	0.04	3.33
210.00	225.00	1	15.00	5.7+5.6/2	0.04	3.39
225.00	240.00	1	15.00	5.6+5.9/2	0.04	3.45
Deduction		-1	0.30	0.3+0.3/2	0.04	0.00
240.00	255.00	1	15.00	5.9+6.1/2	0.04	3.60
Deduction		-1	0.30	0.3+0.3/2	0.04	0.00
255.00	270.00	1	15.00	6.1+7.1/2	0.04	3.96
Deduction		-2	0.30	0.3+0.3/2	0.04	-0.01
270.00	285.00	1	15.00	7.1+6.3/2	0.04	4.02
Deduction		-2	0.30	0.3+0.3/2	0.04	-0.01
285.00	300.00	1	15.00	6.3+6.2/2	0.04	3.75
300.00	315.00	1	15.00	6.2+6.3/2	0.04	3.75
Deduction		-1	0.90	0.6+0.6/2	0.04	-0.02
315.00	330.00	1	15.00	6.3+5.4/2	0.04	3.51
330.00	345.00	1	15.00	5.4+6.8/2	0.04	3.66
345.00	360.00	1	15.00	6.8+6.6/2	0.04	4.02
360.00	375.60	1	15.60	6.6+6.9/2	0.04	4.21
Eshwara Condiments Side Road (Medows Appartment Opp)						
0.00	15.00	1	15.00	6.5+5.8/2	0.04	3.69

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	15.00	30.00	1	15.00	5.8+6.2/2	0.04	3.60			
	30.00	45.00	1	15.00	6.2+6.7/2	0.04	3.87			
	Deduction		-1	0.60	0.6+0.6/2	0.04	-0.01			
	45.00	60.00	1	15.00	6.7+7/2	0.04	4.11			
	Deduction		-3	0.45	0.45+0.45/2	0.04	-0.02			
	60.00	75.00	1	15.00	7+6.8/2	0.04	4.14			
	Deduction		-1	0.60	0.6+0.6/2	0.04	-0.01			
	75.00	90.00	1	15.00	6.8+7.2/2	0.04	4.20			
	90.00	105.00	1	15.00	7.2+7.3/2	0.04	4.35			
	105.00	120.00	1	15.00	7.3+6.9/2	0.04	4.26			
	120.00	135.00	1	15.00	6.9+7.1/2	0.04	4.20			
	Deduction		-2	0.90	0.9+0.9/2	0.04	-0.06			
	135.00	150.00	1	15.00	7.1+7/2	0.04	4.23			
	150.00	156.00	1	6.00	7+7/2	0.04	1.68			
	156.00	162.00	1	6.00	3.2+2.9/2	0.04	0.73		4656013.6	
					Total Qty Work done		**579.54**	**8033.98**	**4656039.28**	**Cum**

Item No:	**E-4**
Item Name:	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3

Measurement recorded on:									
SL NO	CHAINAGE Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY			REMARKS
	Quantity Vide Premeasurements Page No -					**2043.12**			**Sqm**
	Qty Reserved for EIRL					**2043.12**			**Sqm**
	Qty Payable in this bill					**0.00**	**6.42**	**0.00**	**Sqm**

Assistant ~~Executive~~ Engineer
Yelahanka Projects Division
19/02/2022

Assistant Executive Engineer
Yelahanka Projects Division
19/2/22

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